



## Technology Area

### DEFINITION

<i>Name</i>	Interactive Internet Mapping System
<i>Description</i>	<p>Interactive Internet Mapping System – A software system that enables a user with a standard web browser to interactively view, select, and query geospatial data layers.</p> <p>Interactive Internet Mapping Systems also provide host organizations the ability to develop customized displays and data queries for the purposes of making geospatial data and decision support services available via the Internet and Intranets.</p>
<i>Rationale</i>	<p>Interactive Internet Mapping Systems are a rapidly expanding technology within the Geographic Information Technology (GIT) discipline. Their primary function is to extend basic mapping capabilities beyond the traditional geographic information systems (GIS) community.</p> <p>These systems are particularly valuable as educational and decision support tools in that they do not require users to have any special hardware, software, or previous knowledge of GIS.</p>
<i>Benefits</i>	<ul style="list-style-type: none"> <li>• Cost Effectiveness – in most cases little or no cost to the users – the Interactive Internet Mapping System hosting organization incurs minimal startup and maintenance costs considering the size of the audience served.</li> <li>• Ease of Use – many users require just minutes to get started.</li> <li>• Mainstream Availability – able to reach large audiences.</li> <li>• Geographic Presentation – the visual representation of issues or information.</li> <li>• Prompt and Flexible Updates – new information about events or hazard conditions can be added or updated quickly.</li> </ul>

### ASSOCIATED ARCHITECTURE LEVELS

<i>Specify the Domain Name</i>	Information
<i>Specify the Discipline Name</i>	Geographic Information Technology (GIT)

### KEYWORDS

<i>List Keywords</i>	Geographic information systems (GIS), Interactive Internet Mapping System (IIMS), interactive, Web mapping, Internet mapping, Intranet mapping, interactive mapping system, spatial, mapping, Internet/Intranet Web mapping, geographic information technology (GIT), geospatial, cartography, metadata, Americans with Disabilities Act (ADA), Web Map Service (WMS)
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### ASSOCIATED COMPLIANCE COMPONENTS

<i>List the Compliance Component Names</i>	Open GIS Consortium (OGC) Web Map Service (WMS)
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### ASSOCIATED PRODUCT COMPONENTS

*List the Product Component Names*

ArcIMS, Autodesk MapGuide MWS Extensions, CARIS Spatial Fusion, GenaWare8, GeoMedia WebMap Suite, MapOptix, Maptitude for the Web, MapXtreme, Web Enterprise Suite, TatukGIS Internet Server

### CURRENT STATUS

*Provide the Current Status*

☐ *In Development*    ☐ *Under Review*    ☒ *Approved*    ☐ *Rejected*

### AUDIT TRAIL

*Creation Date*

07/29/03

*Date Approved / Rejected*

10/14/2003

*Reason for Rejection*

*Last Date Reviewed*

*Last Date Updated*

*Reason for Update*